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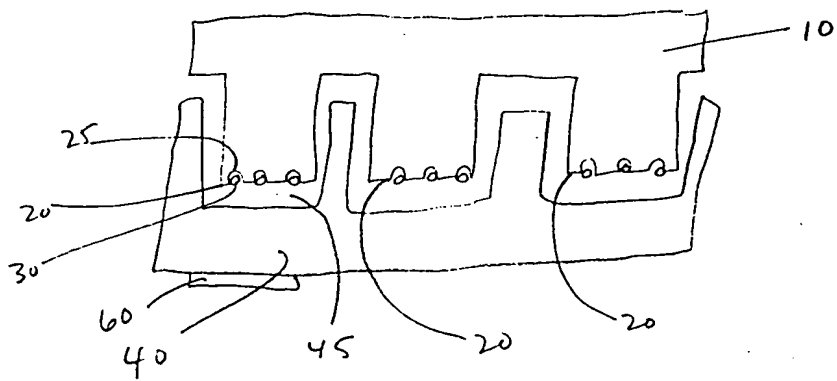


Fig 1A

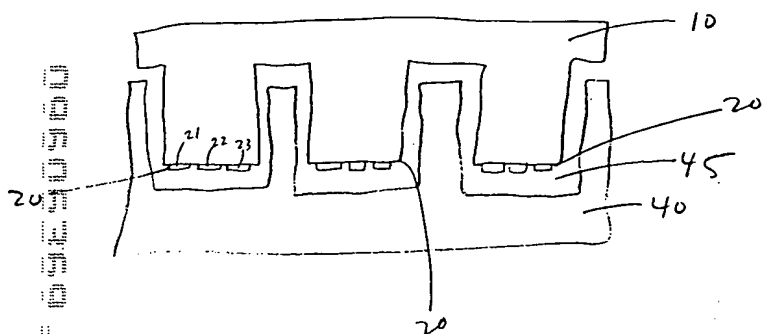


Fig 1B

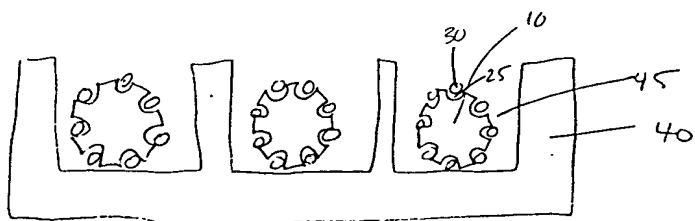


Fig 1C

Fig 1

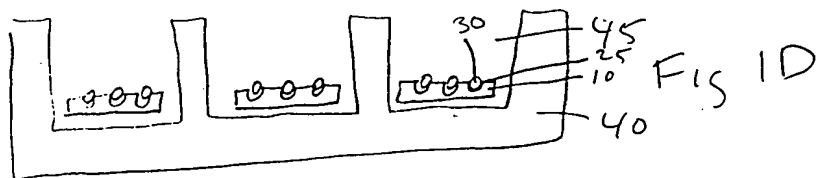


Fig 1D

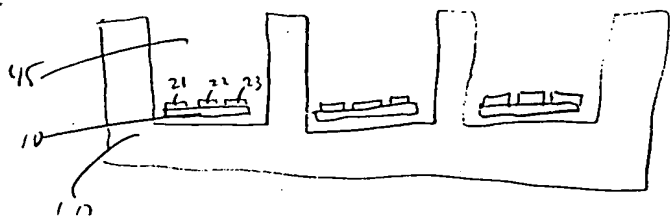
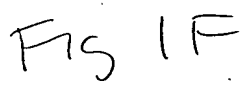
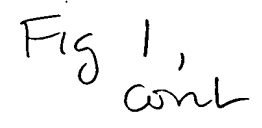


Fig 1E

[illegible]

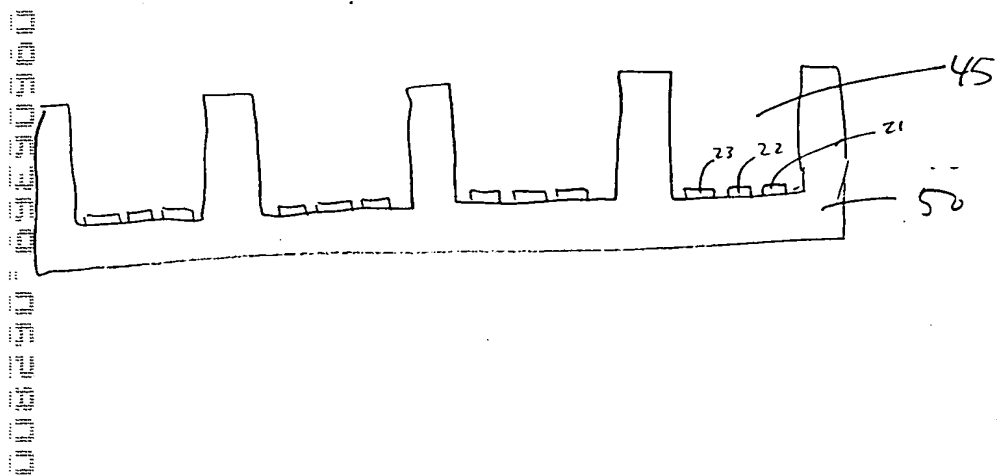
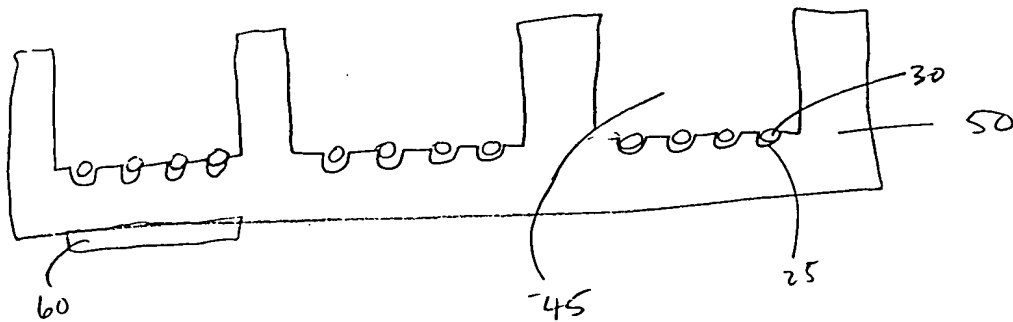



FIG 2



Bod-493

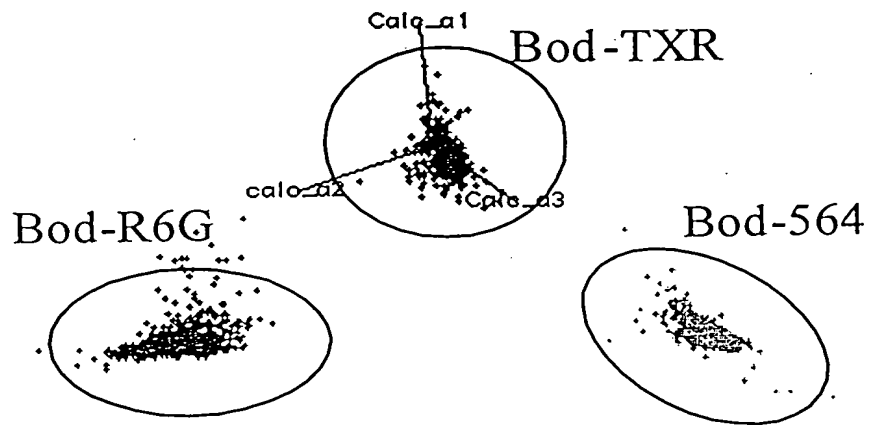
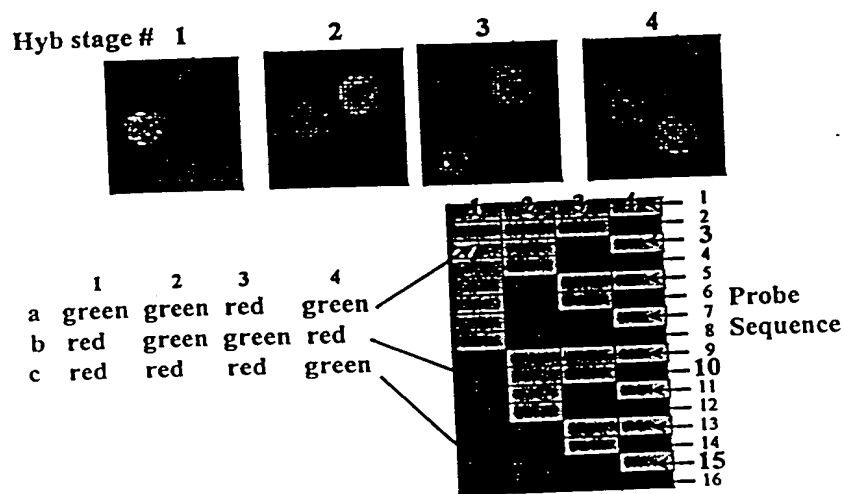


Figure 6

Fig 3

Decoding 16 Probes



F28 4

Figure 1

128 bead types
(4013 beads
total)

Four dyes
(Bod493,
BodR6G,
Bod564,
BodTXR)

Four Stages

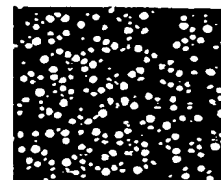
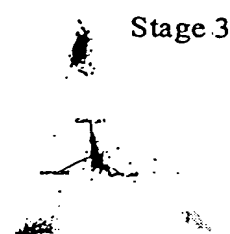
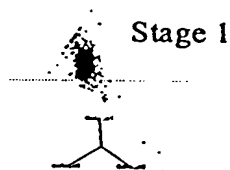


Figure 2

Fig 5

GreyScale Decoding

A.

| Code | S1 | S2 | S3 |
|------|-----|-----|-----|
| 1 | 100 | 100 | 100 |
| 2 | 100 | 100 | 40 |
| 3 | 100 | 100 | 10 |
| 4 | 100 | 40 | 100 |
| 5 | 100 | 40 | 40 |
| 6 | 100 | 40 | 10 |
| 7 | 100 | 10 | 100 |
| 8 | 100 | 10 | 40 |
| 9 | 100 | 10 | 10 |
| 10 | 40 | 100 | 100 |
| 11 | 40 | 100 | 40 |
| 12 | 40 | 100 | 10 |
| 13 | 40 | 40 | 100 |
| 14 | 40 | 40 | 40 |
| 15 | 40 | 40 | 10 |
| 16 | 40 | 10 | 100 |
| 17 | 40 | 10 | 40 |
| 18 | 40 | 10 | 10 |
| 19 | 10 | 100 | 100 |
| 20 | 10 | 100 | 40 |
| 21 | 10 | 100 | 10 |
| 22 | 10 | 40 | 100 |
| 23 | 10 | 40 | 40 |
| 24 | 10 | 40 | 10 |
| 25 | 10 | 10 | 100 |
| 26 | 10 | 10 | 40 |
| 27 | 10 | 10 | 10 |

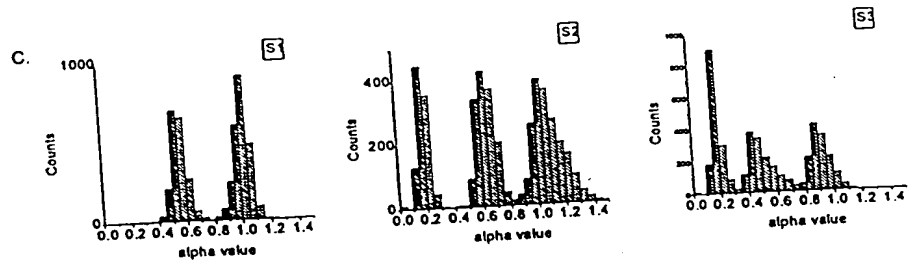
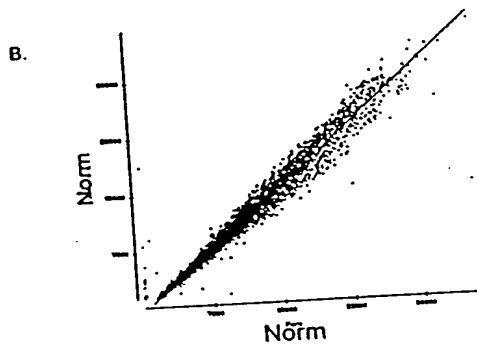
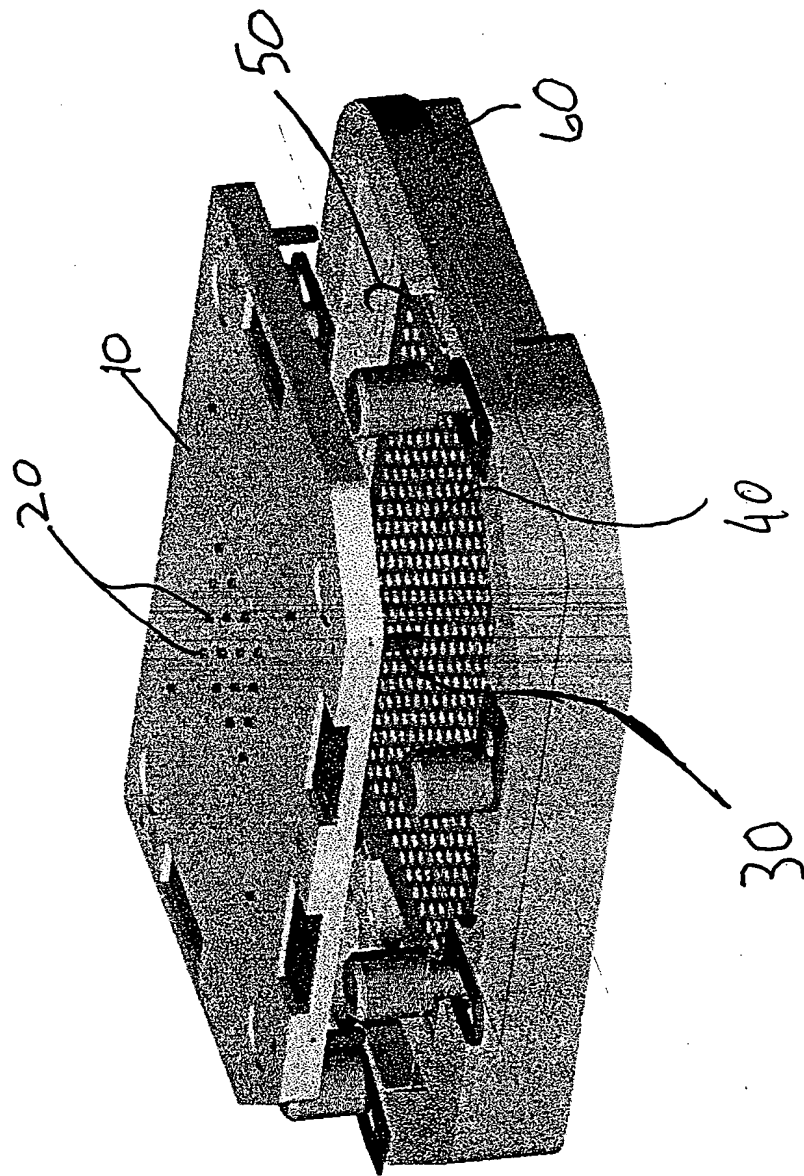


Figure 3 *Fig 6*

00000000000000000000

Figure 7A



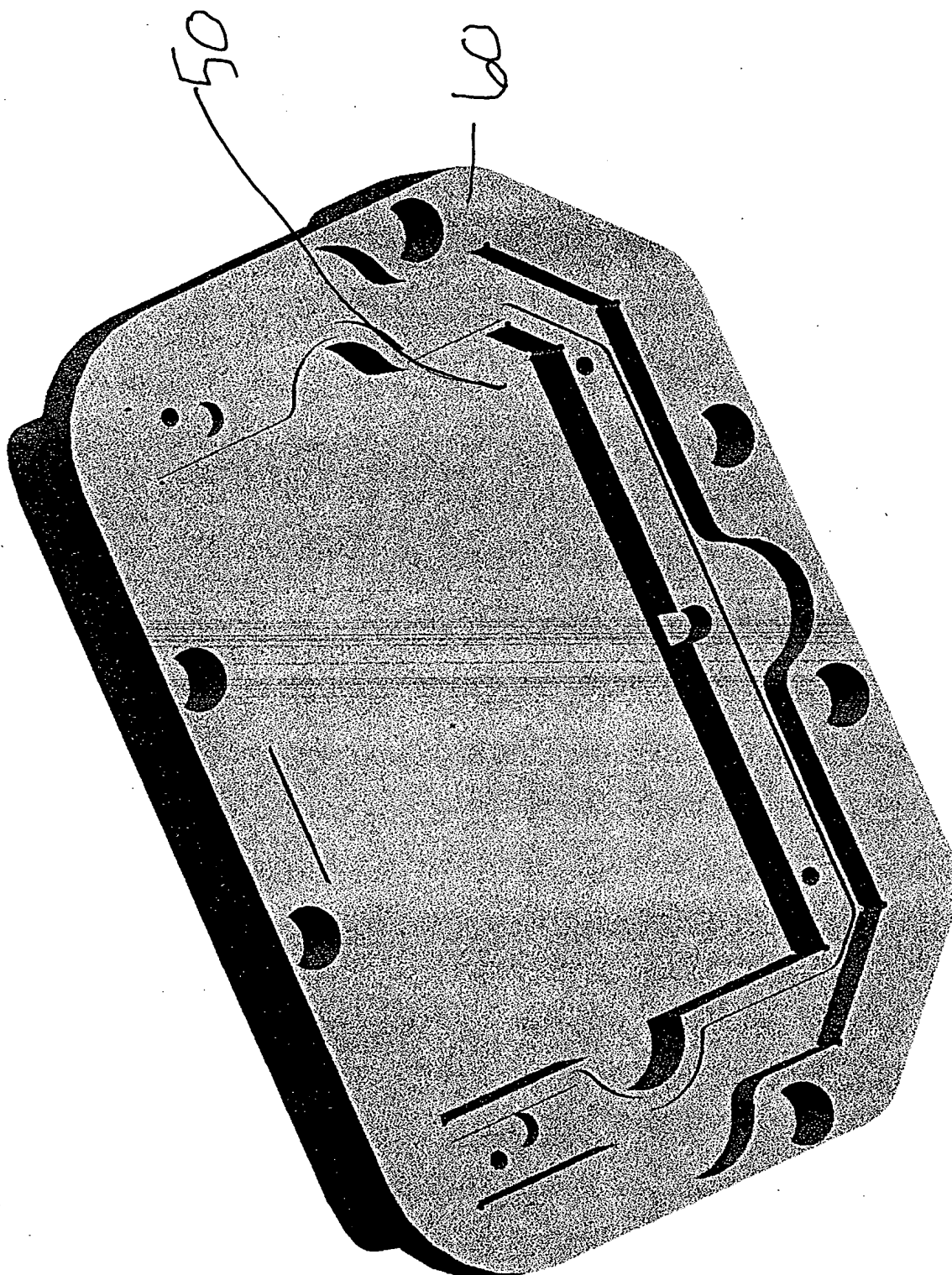
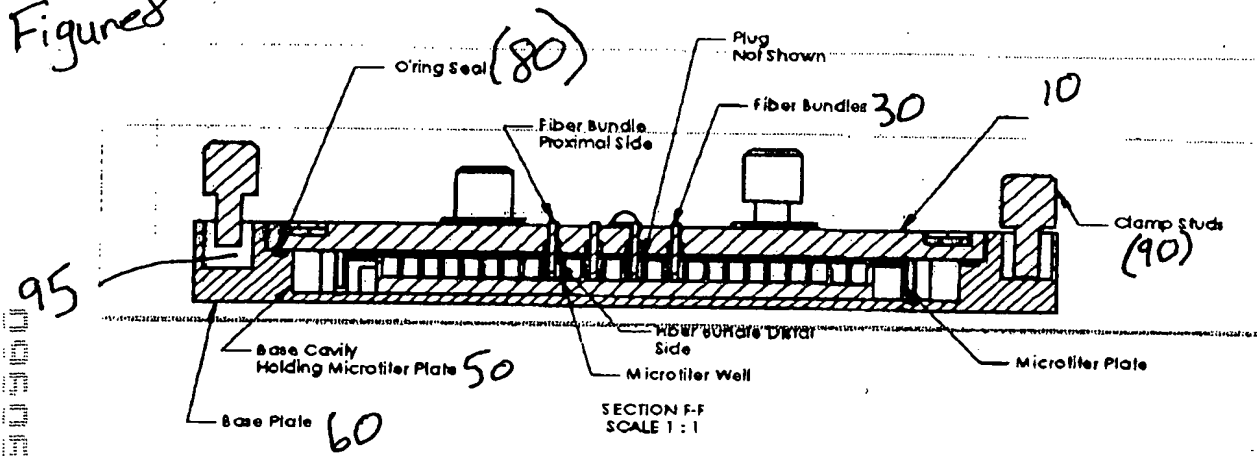
[illegible]

Figure 7B

Figure 8



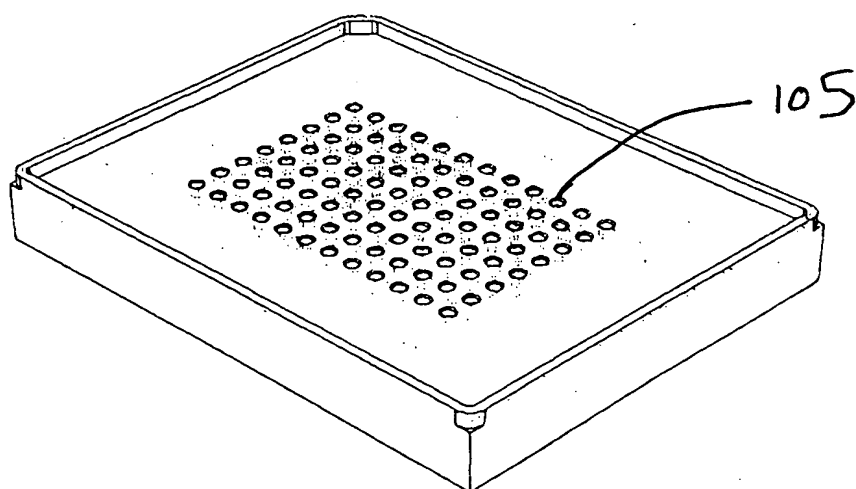


Fig. 1 Base Block Concept, Isometric View

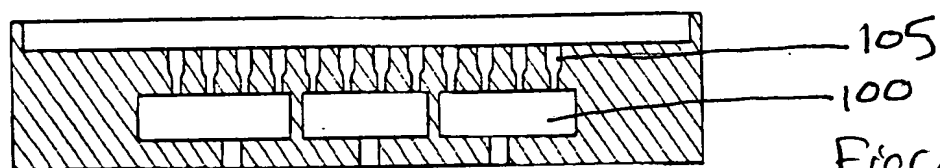
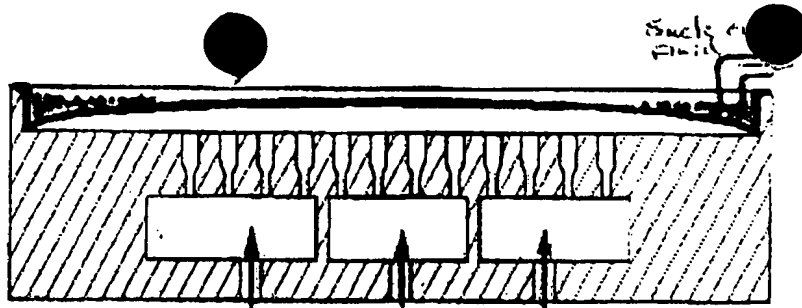
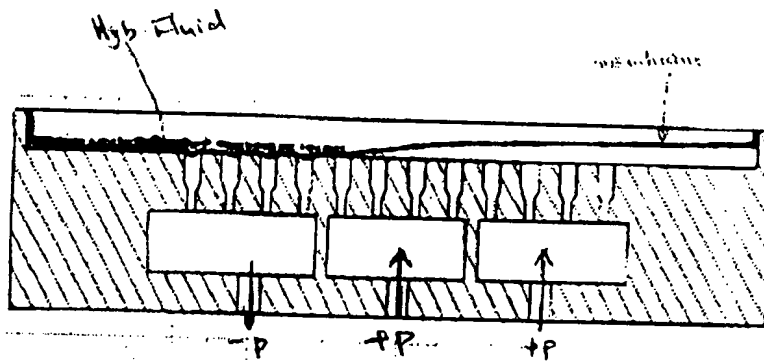


Fig. 2 Base Block Concept, Cross Section Side View

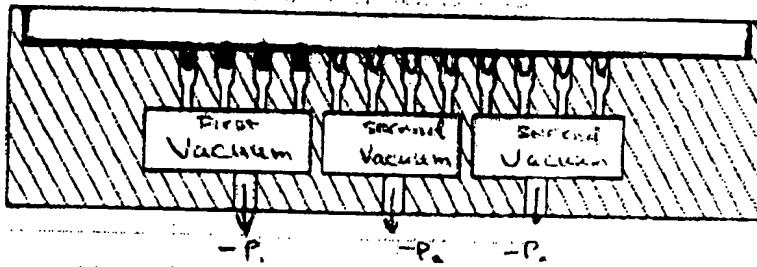
A



B



C



D

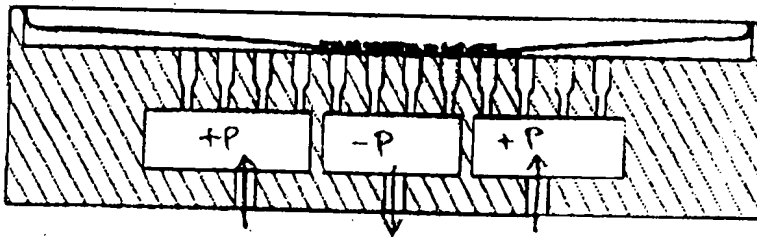
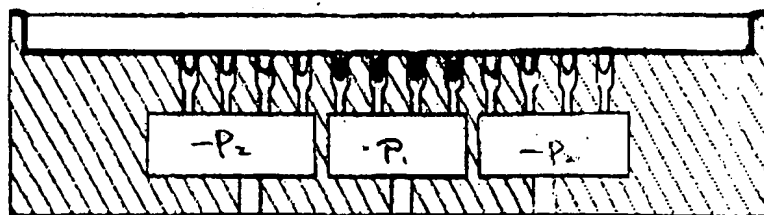


Figure 10

E



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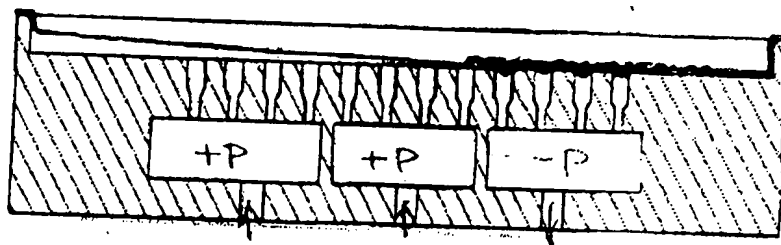


Figure 10 (cont'd)

ANALYTICAL HYBRIDIZATION

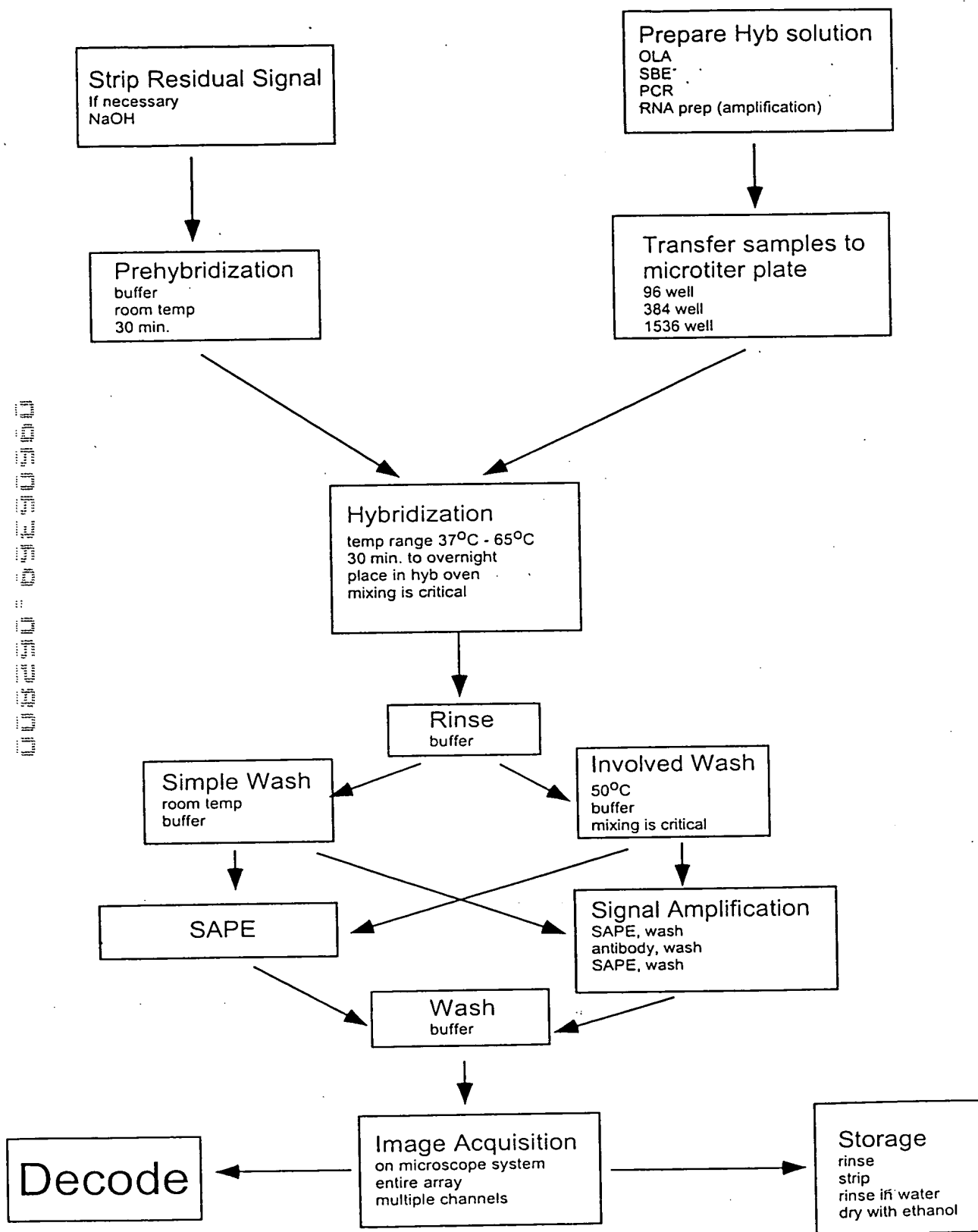


Figure 11